

OLIFF & BERRIDGE, PLC

ATTORNEYS AT LAW

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277 SOUTH WASHINGTON STREET
ALEXANDRIA, VIRGINIA 22314
TELEPHONE: 1703 836-6400
FACSIMILE: 1703 836-2787
EMAIL: EMAIL@OLIFF.COM
WWW.OLIFF.COM

FACSIMILE TRANSMISSION COVER SHEETTo: Examiner Matthews (facsimile at 571-273-4753)From: Gang Luo (50,559)Your Ref.: 10/554,206 Our Ref.: 125665Number of Pages Sent (Including cover sheet): 6Prepared By: gxl**Comments:**

Examiner Mathews:

We enclose a set of proposed claim for discussion at the telephone interview on February 15 at 2 PM.
Thank you.

Regards,

Gang Luo

Sent By: _____

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PROPOSED

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-14. (Cancelled)

15. (Currently Amended) A single-piece type intraocular lens comprising:
an optic portion made of a soft acrylic material, the optic portion having an
anterior surface, a posterior surface and a periphery that joins the anterior surface and the
posterior surface; and

two arm-shaped members made of PMMA (polymethyl methacrylate), each of
the arm-shaped members disposed at a joint position on the periphery of the optic portion,
each of the arm-shaped members extending away from the optic portion, wherein the soft
acrylic material and the PMMA are integrally molded together to form the single-piece type
intraocular lens.

wherein, at the joint position between each of the two arm-shaped members
and the optic portion,

(i) a thickness of the optic portion is greater than a thickness of the
respective arm-shaped member to form a step at the joint position between the posterior
surface of the optic portion and the respective arm-shaped member, such that a transition
from the posterior surface to the respective arm-shaped member includes a sudden shift in a
direction toward the anterior surface at the joint position; and

(ii) there is no step at the joint position between the anterior surface of
the optic portion and the respective arm-shaped member, such that a transition from the
anterior surface to the respective arm-shaped member does not include a sudden shift in a
direction toward the posterior surface at the joint position. A single-piece type intraocular lens
obtained by shape processing a material formed by integrally molding an optic portion

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forming material and a support portion forming material, comprising a stepped part provided in a boundary between the optic portion and the support portion of the posterior surface of the lens so as to be arranged in such a way that the surface of a part shifting to a region of the support portion from the region of the optic portion suddenly shifts in a direction of an anterior surface of the lens, wherein

- _____ the optic portion and an edge part located in a region of the optic portion of the stepped part are made of a soft acrylic material;
- _____ the support portion is made of PMMA and serves as arm-shaped support members extended toward outside from parts of a peripheral edge of the optic portion, and
- _____ there is no step on the anterior surface of the lens in the boundary between the optic portion and the support portion.

16. (Currently Amended) The single-piece type intraocular lens according to claim 15, wherein

- _____ the optic portion has an optical axis; and
- _____ the step at the joint position between the posterior surface and each of the arm-shaped members includes:
 - _____ (i) an stepped part has the edge part, the edge part being which is formed in a part of the optic portion side of the boundary part shifting to the support portion from the optic portion, having posterior surface at the joint position and a vicinity of the joint position; and
 - _____ (ii) a stepped face, the stepped face being a part of the periphery at the joint position and connecting from the edge part to the respective arm-shaped member, the stepped face corresponding to the sudden shift included in the transition from the posterior surface to the respective arm-shaped member and support portion serving as a wall face nearly in parallel to the optical axis of the optic portion.

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17. (Currently Amended) The single-piece type intraocular lens according to claim 16, wherein, at each joint position, a difference between the thickness of the optic portion and the thickness of the respective arm-shaped member is the stepped part has a step difference with height of 0.05mm or more.

18. (Canceled)

19. (Currently Amended) The single-piece type intraocular lens according to claim 17, wherein the surface of the posterior surface of the optic portion near the edge part is formed in a surface substantially orthogonal to the optical axis.

20. (Currently Amended) The single-piece type intraocular lens according to claim 17, wherein the surface of the posterior surface of the optic portion near the edge part is formed so as to rise rises at the joint position in toward the edge part in a posterior direction of the optic portion.

21. (Currently Amended) The single-piece type intraocular lens according to claim 17, wherein a part of the stepped face closer proximal to the support portion respective arm-shaped member forms is formed into an acute angle with the respective arm-shaped member so as to be inclined toward in a direction of the optical axis closerly to the center of the optical axis when connecting to the respective arm-shaped member.

22. (Currently Amended) The single-piece type intraocular lens according to claim 17, wherein a part of the stepped face closer proximal to the respective arm-shaped member forms support portion is formed into an obtuse angle with the respective arm-shaped member so as to be slightly inclined incline away from in a direction of the optical axis in a direction opposite to the center of the optical axis when connecting to the respective arm-shaped member.

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23. (Currently Amended) The single-piece type intraocular lens according to claim 17, wherein a curved surface is formed in a part of the stepped face closer proximal to the respective arm-shaped member has a curved surface support portion.

24. (Previously Presented) The single-piece type intraocular lens according to claim 17, wherein the stepped face is formed into a concavo-convex face.

25-32. (Canceled)

33. (Currently Amended) The single-piece type intraocular lens according to claim 17, wherein the optical surface of the posterior surface of the optic portion is includes an optical surface having formed into a convex shape.

34. (Currently Amended) A manufacturing method of the single-piece type intraocular lens for manufacturing the single-piece type intraocular lens according to claim 17, comprising:

preparing a raw material formed by integrally molding the optic portion forming material soft acrylic material and the support portion forming material PMMA;

cutting the raw material, thereby forming a curved surface shape of the optical surfaces of both sides of the anterior surface and the posterior surface of the optic portion, and a front surface shape of the two arm-shaped members support portion located on both sides corresponding to of the anterior surface and the posterior surface of the optic portion;

next, grooving a part where the stepped part is estimated to be formed, thereby forming a surface serving as a the stepped face, and

next, forming by cutting a contour shape excepting the anterior surface and posterior surface of the optic portion, and the a contour shape excepting the a surface shape of the two arm-shaped members on both sides corresponding to located on both sides of the anterior surface and posterior surface of the optic portion of the support portion.

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35. (New) The single-piece type intraocular lens of claim 15, wherein the soft acrylic material and the PMMA are integrally molded together by shape processing.